

June 10th, 2011

CAPITAL WATER SOFTENER INCORPORATED
ERIC WICK/ JOEL WICK
2096 HELENA STREET
MADISON WI 53704

Re: Description: WATER TREATMENT DEVICE - POE SOFTENER
Manufacturer: CAPITAL WATER SOFTENER INCORPORATED
Product Name: CAPITAL WATER SOFTENERS
Model Number(s): FA-16, FA-24, FA-32, FA-48, FA-64, FA-96, M-16, M-24, M-32, M-48, M-64,
M-96, CELEBRITY C-16, CELEBRITY C-24, CELEBRITY C-32,
CELEBRITY CM-16, CELEBRITY CM-24 AND CELEBRITY CM-32
Product File No: 20110193

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of June 2016.

This approval supersedes the approval issued on August 1st, 2006 under product file number 20060199.

This approval is contingent upon compliance with the following stipulation(s):

- This product has undergone sufficient testing to document the product's ability to reduce only those contaminants and/or substances as specified in this approval letter when the product is installed and maintained in strict accordance with the manufacturer's published instructions.
- Where the Department of Natural Resources (DNR) has jurisdiction, a written approval may be required prior to installation of this product in a water supply system to reduce the concentration of a contaminant that exceeds the primary drinking water standards contained in ch. NR 809, Wis. Admin. Code, the enforcement standards contained in ch. NR 140, Wis. Admin. Code, or for a water supply system that is subject to a written advisory opinion by the DNR. For more information contact the DNR Section of Private Water Systems, P.O. Box 7921, Madison, WI 53707, telephone (608) 267-9787.
- If these approved devices are modified or additional assertions of function or performance are made, then this approval shall be considered null and void, unless the change is submitted to the department for review and the approval is reaffirmed.
- These cation exchange water softeners shall be sized, installed, programmed and maintained such that wastewater volumes, total dissolved solids and chloride discharges are minimized.

Based on testing data submitted to and reviewed by the department, this approval recognizes that these plumbing products will reduce the concentration of contaminants as specified on pages 1 through 2 of this letter.

**WATER SOFTENING CAPABILITIES
PRODUCT FILE NUMBER 20110193
TABLE 1 OF 1**

Model Numbers		Capacity*						Flow Rate vs. Pressure Loss
Capital Series		Rating 1		Rating 2		Rating 3		
Metered	Time Clock	Grains	Pounds	Grains	Pounds	Grains	Pounds	gpm @ psig
M-16	FA-16	12,700	3.0	14,100	5.0	16,300	8.0	5.6 @ 15
M-24	FA-24	19,100	4.5	21,200	7.5	24,500	12.0	6.5 @ 15
M-32	FA-32	25,400	6.0	28,200	10.0	32,600	16.0	8.4 @ 15
M-48	FA-48	38,100	9.0	42,300	15.0	48,900	24.0	7.8 @ 15
M-64	FA-64	50,800	12.0	56,400	20.0	65,200	32.0	10 @ 15
M-96	FA-96	76,200	18.0	84,600	30.0	97,800	48.0	10 @ 12.5
CM-16	C-16	12,700	3.0	14,100	5.0	16,300	8.0	5.6 @ 15
CM-24	C-24	19,100	4.5	21,200	7.5	24,500	12.0	6.5 @ 15
CM-32	C-32	25,400	6.0	28,200	10.0	32,600	16.0	8.4 @ 15

* The softener capacity rating is based on grains of hardness, due to calcium and magnesium cations, removed (as calcium carbonate) while producing soft water between successive regenerations and is related to the pounds of salt required for each regeneration. The tests run to generate the data for table 1 were conducted in accordance with WQA Standard S-100-85.

This device was tested under controlled laboratory, or field, conditions. The actual performance of this device for a specific end use installation will vary from the tested conditions based on local factors such as water pressure, water temperature and water chemistry.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter
Engineering Consultant-Plumbing Product Reviewer
Bureau of Integrated Services
Safety and Buildings Division
Department of Commerce
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